Index of Claims



Application No.

09/807,137

Examiner

Ernest G. Therkorn

ı

Applicant(s)

MULLER-KUHRT ET AL.

Art Unit

1723

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N

Interference

**Appeal** Α

0

Objected

|       |  | L                 | L |      |      | J | L    | L |
|-------|--|-------------------|---|------|------|---|------|---|
|       |  | <b>\</b>          |   | <br> |      |   |      |   |
| Cla   | im ्   | 15                | _ | ,    | Dat- | e | <br> |   |
| Final | Original   | 0/60/             |   |      |      |   |      |   |
|       |  | \$.) <del>;</del> |   |      |      |   |      |   |
|       | 3  | 1                 |   |      |      |   |      |   |
|       | 1<br>2<br>3<br>4<br>5<br>6                         |                   |   |      |      | _ |      |   |
|       |  | ž                 |   |      |      |   |      |   |
|       | 9  |                   |   | _    |      |   |      |   |
|       | 10<br>11   |                   |   |      |      |   |      |   |
|       | 13   |                   |   |      |      |   |      |   |
|       | 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19 | <u> </u>          |   | -    |      |   |      |   |
|       | 17   |                   |   | _    |      |   |      |   |
|       | 19   |                   |   |      |      | _ |      |   |
| -     | 21<br>22<br>23                                     |                   |   | -    | _    |   |      |   |
|       | 23   |                   |   |      |      |   | _    |   |
|       | 24<br>25<br>26                                     |                   |   |      |      |   |      | H |
|       | 27<br>28   |                   |   |      |      |   |      |   |
|       | 29<br>30   |                   |   |      |      | - |      | П |
|       | 31<br>32<br>33                                     |                   |   |      |      | _ |      |   |
|       | 34   |                   |   |      |      |   |      |   |
|       | 35<br>36   |                   |   |      |      |   |      |   |
|       | 37<br>38   |                   |   |      |      |   | İ    |   |
|       | 39<br>40   |                   |   |      |      |   |      |   |
|       | 41<br>42   |                   |   |      |      |   |      |   |
|       | 43<br>44   |                   |   |      |      |   |      |   |
|       | 45<br>46   |                   |   |      |      |   |      |   |
|       | 47<br>48   |                   |   |      |      |   |      |   |
|       | 49<br>50   |                   |   |      |      |   |      |   |

|          |          | γ            |          |          |              |  |           |          |              |          |
|----------|----------|--------------|----------|----------|--------------|--|-----------|----------|--------------|----------|
| L Cla    | aim      | ├-           | 1        |          |              | Dat  | e<br>T    |          |              |          |
| Final    | Original |              |          |          |              |  |           |          |              |          |
|          | 51       |              |          |          |              |  |           |          |              |          |
|          | 52       |              |          |          |              |  |           |          |              |          |
|          | 53       |              |          |          |              |  |           |          |              |          |
|          | 54       |              | <u> </u> | _        |              |  | L         |          | L            |          |
| L        | 55       |              |          |          |              | _  | <u> _</u> | _        |              | <u> </u> |
| ļ        | 56       |              | ╙        | <u> </u> | ļ            | <u> </u>   | <u> </u>  | _        | <u> </u>     | <u> </u> |
|          | 57       |              | <u> </u> | <u> </u> |              |  | <u> </u>  |          | _            | _        |
|          | 58<br>59 | <b> </b>     | ┝        | H        | -            | -  | ├—        | -        | ⊢            |          |
|          | 60       |              | $\vdash$ |          | -            | -  | ├         | $\vdash$ | ⊢            | -        |
| $\vdash$ | 61       |              | -        | $\vdash$ | -            | ┝  | ├         | $\vdash$ | _            | -        |
| <b> </b> | 62       |              | -        |          |              |  | $\vdash$  | -        |              |          |
|          | 63       |              |          |          |              |  | $\vdash$  | 1        |              | T        |
|          | 64       |              |          |          |              |  |           |          |              | Ľ        |
|          | 65       |              |          |          |              |  |           |          |              |          |
|          | 66       |              |          |          |              |  |           |          |              |          |
|          | 67       |              |          | L        | _            | _  |           |          | <u> </u>     | _        |
|          | 68       | <u> </u>     |          |          | L            | <u> </u>   | ㄴ         |          | <u> </u>     | L_       |
|          | 69       | _            |          | <u> </u> | <u> </u>     | <u> </u>   | ļ         |          |              | <u> </u> |
|          | 70       |              |          | _        | ⊢            | L  | _         |          |              | Ш        |
| -        | 71       |              | -        |          | ļ            | _  |           |          | ļ            | _        |
|          | 72<br>73 |              | -        | ├        |              |  |           |          | <del> </del> | $\vdash$ |
|          | 74       | -            |          | _        |              |  |           | ├        |              | $\vdash$ |
|          | 75       | <del> </del> | _        |          | $\vdash$     | -  |           | $\vdash$ | -            | -        |
|          | 76       |              | <b></b>  |          | İ            | -  |           | <u> </u> |              |          |
|          | 77       |              |          |          |              |  |           |          |              |          |
|          | 78       |              |          |          |              |  |           |          |              |          |
|          | 79       | <u> </u>     |          |          |              |  |           |          |              | L        |
|          | 80       |              | _        | _        |              | L_   | L.        |          |              |          |
|          | 81       | ├            |          |          |              | _  |           | ļ        |              | _        |
|          | 82<br>83 | _            |          | ┝        |              |  |           | <u> </u> |              |          |
| -        | 84       | <del> </del> | -        |          |              |  | -         | -        |              | $\vdash$ |
|          | 85       |              |          |          |              |  |           | $\vdash$ |              | -        |
|          | 86       | -            |          |          | <del> </del> | <del>                                     </del> |           | $\vdash$ |              | -        |
|          | 87       |              |          |          |              |  |           |          |              |          |
|          | 88       |              |          |          |              |  |           |          |              |          |
|          | 89       |              |          |          |              |  |           |          |              |          |
|          | 90       | <u> </u>     |          |          |              | L  |           |          |              |          |
|          | 91       |              | ļ        | <u> </u> |              | Ш  |           |          |              | Ш        |
|          | 92       |              | H        | ļ        |              |  | L.        |          |              | Н        |
| -        | 93<br>94 | H            | -        | <u> </u> |              | -  | $\vdash$  | $\vdash$ | _            |          |
| -        | 95       |              | -        | -        |              | -  | -         |          | <b></b>      | -        |
| -        | 96       | -            |          |          | <u> </u>     | H  | H         |          | -            | $\vdash$ |
| -        | 97       | _            |          | -        |              | -  |           |          |              | $\vdash$ |
|          | 98       |              |          |          |              |  |           |          | -            | $\vdash$ |
|          | 99       |              |          |          |              |  |           |          |              |          |
|          | 100      |              |          |          | $\vdash$     |  |           |          |              | Н        |

| Cla      | im _     | 9               | Date     |              |          |  | ]               | Claim Date |                 |   |   |  |          |              |          |           | [        | Cla      | aim      | Date     |          |          |     |       |            |          |          |   |          |          |          |          |          |   |
|----------|----------|-----------------|----------|--------------|----------|--|-----------------|------------|-----------------|---|---|--|----------|--------------|----------|-----------|----------|----------|----------|----------|----------|----------|-----|-------|------------|----------|----------|---|----------|----------|----------|----------|----------|---|
|          | =        | 10              | •        |              |          |  | ļ               |            |                 |   |   |  | _        |              |          |           |          |          |          |          |          |          |     |       |            |          |          |   |          |          |          |          |          |   |
| rinai    | Original | 160/13          |          |              |          |  |                 |            |                 |   |   | Final  | Original |              |          |           |          |          |          |          |          |          |     | Final | Original   |          |          |   |          |          |          |          |          |   |
|          | 1        | ÷               |          |              |          | $\vdash$   | <del> -</del> - | _          |                 |   |   |  | 51       |              |          |           | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |     |       | 101        |          |          |   |          |          |          |          |          |   |
|          | 2        | 1               |          |              |          | <del>                                     </del> | $\vdash$        |            |                 |   | i |  | 52       | $\dashv$     |          | _         | -        | -        | $\dashv$ | $\dashv$ | - 1      |          | - 1 |       | 102        |          |          | — | H        |          | _        |          | -        |   |
|          | 3        |                 | _        |              | -        | <del> </del>                                     | ├-              | $\vdash$   | Н               |   | ł |  | 53       | -            |          |           | -        | -1       |          |          | -        | _        | ŀ   |       | 103        |          | -        | _ | -        |          |          |          |          |   |
|          | 4        | 1               | _        |              |          | <u> </u>   | $\vdash$        | ┢          | $\vdash$        |   | 1 |  | 54       | H            | $\neg$   |           | -1       | -1       | -        | -        | -+       | $\dashv$ | ŀ   |       | 103        | Н        |          | _ | Н        |          |          |          |          |   |
|          | 5        |                 |          |              |          | T-   | -               |            |                 | _ | 1 |  | 55       |              |          |           | T        | ┪        | _        | $\neg$   |          | _        | ı   |       | 105        |          |          |   |          |          | _        |          | -        | - |
|          | 6        |                 |          | _            |          | 1  |                 | 1          |                 | _ | 1 |  | 56       |              |          |           |          |          | $\dashv$ | $\dashv$ | 寸        | $\dashv$ | ŀ   |       | 106        |          |          |   |          |          |          |          |          |   |
|          | 7 '      | $\dot{\gamma}$  |          |              |          |  | Г               |            |                 |   | İ |  | 57       | П            |          |           | ヿ        | $\dashv$ | ヿ        | 一        | 7        | ╗        | ı   |       | 107        |          |          |   | _        |          |          |          | $\neg$   | _ |
|          | 8        |                 |          |              |          |  |                 |            |                 |   | 1 |  | 58       |              |          |           |          |          |          |          | T        |          | Ì   |       | 108        |          |          |   | _        |          |          |          |          |   |
|          | 9        | П               |          | П            |          |  |                 |            |                 | _ | 1 |  | 59       |              |          |           |          |          | $\neg$   |          | T        |          | ı   |       | 109        |          |          |   |          |          |          |          | $\neg$   |   |
|          | 10       |                 |          |              |          |  |                 |            |                 |   | 1 |  | 60       | П            | T        |           |          |          | ヿ        | T        |          | $\neg$   | ı   |       | 110        |          |          |   |          |          |          |          |          |   |
|          | 11       |                 |          |              |          |  |                 |            |                 | _ |   |  | 61       |              |          |           |          |          |          |          |          |          | ļ   |       | 111        |          |          |   |          |          |          |          |          |   |
|          | 12       |                 |          |              |          |  |                 |            |                 |   |   |  | 62       |              |          |           |          |          |          |          |          |          | Ī   |       | 112        |          |          |   |          |          |          |          |          |   |
|          | 13       | Ш               |          |              |          |  |                 |            |                 |   |   |  | 63       |              |          |           |          |          |          |          | $\Box$   |          |     |       | 113        |          |          |   | Ĺ        |          |          |          |          |   |
|          | 14       | Ш               |          |              |          |  |                 |            |                 |   |   |  | 64       |              |          |           |          | $\Box$   |          |          |          |          |     |       | 114        |          |          |   |          |          |          |          |          |   |
|          | 15       | L               |          |              |          | <u> </u>   | <u> </u>        |            | Ш               |   |   |  | 65       |              |          |           |          |          |          |          |          | $\Box$   |     |       | 115        |          |          |   |          |          |          |          |          |   |
|          | 16       | Ш               |          | <u> </u>     | L.       | _  | Ш               | L_         |                 |   |   |  | 66       |              |          | [         |          |          |          |          |          |          |     |       | 116        |          |          |   |          |          |          |          |          |   |
| _        | 17       | Щ               |          | <u> </u>     |          | <u> </u>   | Ш               |            | Ш               |   |   |  | 67       |              |          |           |          |          |          |          |          | $\Box$   |     |       | 117        |          |          |   |          |          |          |          |          |   |
| _        | 18       |                 |          | L            |          | L_   | <u> </u>        |            | Ш               |   |   |  | 68       | $oxed{oxed}$ | _        | $\Box$    |          |          | _]       |          |          | _]       | [   |       | 118        |          |          |   |          |          |          |          |          |   |
|          | 19       | Ш               |          |              |          | _  |                 |            | Ш               |   |   |  | 69       |              |          | [         | $\bot$   | [        |          |          |          | $\Box$   |     |       | 119        |          |          |   |          |          |          |          |          |   |
|          | 20       | Ш               |          |              |          |  | Ш               | _          | Ш               |   | 1 |  | 70       |              |          |           | $\perp$  |          |          |          |          |          | Ĺ   |       | 120        |          |          |   |          |          |          |          |          |   |
|          | 21       | Ш               |          |              | <u>L</u> |  | Ш               | Щ          | Ш               |   |   | $oxed{oxed}$                                     | 71       |              | _        |           |          | $\perp$  |          |          |          |          |     |       | 121        |          |          |   |          |          |          |          |          |   |
|          | 22       | Ш               |          |              |          | _  |                 | <u> </u>   | Ш               |   |   | igsquare   | 72       | $\Box$       |          | ]         | _        |          |          |          | $\perp$  | $\Box$   |     |       | 122        |          |          |   |          |          |          | $\Box$   |          |   |
| _        | 23       | Щ               |          | L.           |          | <u> </u>   | Ш               |            | Ш               |   | 1 |  | 73       |              |          |           |          |          |          | [        |          | $\Box$   |     | ]     | 123        |          |          |   |          |          |          |          |          |   |
|          | 24       | $\sqcup$        |          | lacksquare   |          | _  | ļ               | Ш          | Ш               |   |   | $\sqcup \sqcup$                                  | 74       |              | _        | _         |          |          |          |          |          |          | Ĺ   |       | 124        | Ш        |          |   | Ш        |          | ]        |          |          |   |
| _        | 25       | $\sqcup$        |          |              |          |  |                 | ļ          | $\sqcup$        |   | l |  | 75       | $\square$    |          |           | _        | _        | _        |          | $\perp$  | _        | ļ   |       | 125        |          |          |   |          |          |          |          |          |   |
| 4        | 26       |                 |          |              |          |  |                 |            |                 |   |   |  | 76       | $\perp$      | _        | _         | _        |          | _        | _        | _        | _        | - } |       | 126        |          |          |   | Ш        |          |          |          |          |   |
| $\dashv$ | 27       | $\vdash \vdash$ |          | _            |          |  | <b>—</b>        | <u> </u>   | $\sqcup$        |   |   | $\vdash$   | 77       | $\vdash$     |          |           | _        |          | 4        | _        | _        | _        | 1   |       | 127        |          |          |   | Ш        |          |          | _        | _        |   |
| $\dashv$ | 28       | $\sqcup$        |          | $\vdash$     |          | H  | $\vdash$        | <b> </b>   | $\sqcup$        |   |   |  | 78       | $\vdash$     | 4        | <b></b> ∤ | _        | _        |          |          | _        | _        | - } |       | 128        |          |          |   | Ш        |          | _        | _        |          |   |
|          | 29       |                 |          |              |          |  | -               |            |                 |   |   |  | 79       |              | -        | _         | -        |          | _        | _        | _        |          | -   |       | 129        |          |          | _ | Ш        |          | _        | _        | _        |   |
| $\dashv$ | 30       | $\vdash$        | -        |              | _        | $\vdash$   | $\vdash$        |            | $\vdash \vdash$ |   |   |  | 80       | $\dashv$     | _        |           | _        |          | $\dashv$ |          | $\dashv$ | $\dashv$ | -   |       | 130        |          | Щ        |   | $\sqcup$ | _        |          | $\dashv$ |          |   |
| $\dashv$ | 31<br>32 | $\vdash$        |          | $\vdash$     | -        | $\vdash$   | -               |            | $\vdash \vdash$ |   | 1 | $\vdash\vdash\vdash$                             | 81       | $\vdash$     |          |           | $\dashv$ |          |          |          | $\dashv$ |          | -   |       | 131        |          | _        |   |          |          | _        | _        |          |   |
| $\dashv$ |          | $\dashv$        | _        | $\vdash$     | -        |  | $\vdash$        |            |                 |   |   |  | 82       | $\vdash$     |          | $\dashv$  |          |          | 4        | _        | $\dashv$ | $\dashv$ | -   |       | 132        |          | _        |   |          |          |          | _        | _        |   |
| $\dashv$ | 33<br>34 | $\vdash$        |          | <u> </u>     |          | $\vdash$   | Н               | -          | $\vdash$        |   |   |  | 83       |              | $\dashv$ |           | _        |          |          |          | $\dashv$ | 4        | -   |       | 133        |          |          | - |          |          | _        |          |          |   |
| $\dashv$ | 35       | $\vdash$        |          | $\vdash$     |          | $\vdash$   |                 | $\vdash$   | $\vdash \vdash$ |   | 1 | $\vdash$   | 84       |              |          | $\dashv$  | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ |          | -   |       | 134        |          |          |   |          | $\dashv$ | $\dashv$ |          | $\dashv$ |   |
| -        | 36       | $\vdash$        |          | -            |          | <b>-</b>   | $\vdash$        | $\vdash$   | $\vdash$        |   |   | <del></del>                                      | 85       |              | $\dashv$ | -         |          |          | -        | -        | $\dashv$ | $\dashv$ | }   |       | 135        |          |          |   |          |          |          | -        | $\dashv$ |   |
|          | 37       | $\dashv$        | -        | <del> </del> |          | H  | H               | $\vdash$   | $\vdash$        |   |   |  | 86<br>87 |              | $\dashv$ | $\dashv$  | $\dashv$ |          |          |          | $\dashv$ | $\dashv$ | -   |       | 136        |          | -        | _ | $\vdash$ | _        | _        |          | $\dashv$ |   |
| -        | 38       |                 | -        | $\vdash$     | -        | -  | Н               | Н          | ┝╌╢             |   |   |  | 88       | -            | $\dashv$ |           |          | $\dashv$ | $\dashv$ |          | +        | $\dashv$ | }   |       | 137        | _        |          |   |          | $\dashv$ | _        |          | $\dashv$ |   |
| $\dashv$ | 39       | -               | $\dashv$ | -            | -        | $\vdash$   | $\vdash$        |            | $\vdash \vdash$ |   |   | $\vdash$   | 89       | -            | $\dashv$ |           | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ |          | -   |       | 138        | $\dashv$ |          |   | $\vdash$ | $\dashv$ |          |          | -        |   |
| -        | 40       | +               |          | $\vdash$     |          | <del> </del>                                     | Н               | Н          | $\vdash$        |   |   |  | 90       | $\dashv$     |          | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | -        | -   |       | 139<br>140 |          | -        |   | $\vdash$ | $\dashv$ |          |          | $\dashv$ |   |
|          | 41       | -               | -        | $\vdash$     |          | $\vdash$   | Н               | Н          | $\vdash \vdash$ | _ |   | $\vdash$   | 91       |              | -        | $\dashv$  | $\dashv$ |          | -        | -        | $\dashv$ | $\dashv$ | }   |       |            |          | -        |   | $\vdash$ |          |          | -        |          |   |
| $\dashv$ | 42       | -               | $\dashv$ | $\vdash$     |          | -  | $\vdash$        | H          |                 |   |   |  | 92       | -            |          | -         | -+       | $\dashv$ | $\dashv$ | $\dashv$ | -+       | $\dashv$ | }   |       | 141<br>142 | -        | $\dashv$ |   |          |          |          | $\dashv$ | $\dashv$ |   |
| $\dashv$ | 43       | $\vdash$        | $\dashv$ | H            | -        | $\vdash$   | H               | $\vdash$   | $\vdash$        | _ |   |  | 93       | $\dashv$     | $\dashv$ |           | $\dashv$ | $\dashv$ | $\dashv$ | +        | -+       | $\dashv$ | -   |       | 143        | $\vdash$ | $\dashv$ |   |          | $\dashv$ |          | $\dashv$ | $\dashv$ |   |
|          | 44       | $\dashv$        |          | Н            |          | $\vdash$   | $\vdash$        |            | $\vdash$        |   |   | $\vdash \vdash$                                  | 94       | +            |          | -         | -+       | $\dashv$ | +        | $\dashv$ | $\dashv$ | $\dashv$ | -   |       | 143        | $\dashv$ | $\dashv$ |   |          | $\dashv$ | $\dashv$ |          | $\dashv$ |   |
| -        | 45       | $\vdash$        |          | Н            |          | $\vdash$   | $\vdash$        | $\vdash$   | $\vdash \vdash$ |   |   | <del>                                     </del> | 95       | $\dashv$     |          | -         | -+       | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | -   |       | 145        | -        |          |   |          | $\dashv$ | $\dashv$ |          | $\dashv$ |   |
|          | 46       | -               | $\dashv$ |              |          | $\vdash$   | Н               | $\vdash$   | $\vdash \vdash$ |   |   |  | 96       | -+           | $\dashv$ |           | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -   |       | 145        | $\dashv$ |          |   |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |   |
| -        | 47       | $\vdash$        | $\dashv$ |              | -        | H  | Н               | $\vdash$   | $\vdash \dashv$ | _ |   |  | 97       | $\dashv$     | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | }   | -+    |            | $\dashv$ | -        |   |          | $\dashv$ |          | $\dashv$ | $\dashv$ |   |
|          | 48       | +               | $\dashv$ | -            |          | $\vdash$   | Н               | Н          | ⊢⊢              | _ |   | -  | 98       | $\dashv$     | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -+       | $\dashv$ | -   |       | 147<br>148 |          |          |   |          |          |          | $\dashv$ |          |   |
| $\dashv$ | 49       | $\dashv$        |          | $\vdash$     |          | -  |                 | $\vdash$   | $\vdash \vdash$ |   |   |  | 99       |              | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ |          | +        | $\dashv$ | }   |       | 148        | $\dashv$ |          |   |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |   |
|          | 50       | $\dashv$        | -        | $\vdash$     |          | $\vdash$   | $\vdash \vdash$ |            | $\vdash$        | _ |   | <del>  </del>                                    | 100      |              | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | +        |          | +        | $\dashv$ | -   |       | 150        | $\dashv$ |          |   | $\dashv$ |          |          | $\dashv$ |          |   |
|          | 55       |                 |          | Ш            |          | لــــا   |                 | ш          | ш               |   |   |  | 100      |              | 1        | 1         |          |          |          |          | L        |          | L   |       | 190        | !        |          |   |          |          |          |          |          |   |